

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 2

DATED 8/06/2010

Control	3075-02-009
Project	C 3075-2-9
Highway	SH 239
County	REFUGIO

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: C 3075-2-9

CONTROL: 3075-02-009

COUNTY: REFUGIO

LETTING: 08/10/2010

REFERENCE NO: 0806

PROPOSAL ADDENDUMS

- PROPOSAL COVER
- BID INSERTS (SH. NO.:
- GENERAL NOTES (SH. NO.: F

- SPEC LIST (SH. NO.:
- SPECIAL PROVISIONS:
- ADDED:

DELETED:

- SPECIAL SPECIFICATIONS:
- ADDED:

DELETED:

- OTHER: PLAN SHEET 3 & 4B

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

GENERAL NOTES: NOTE TO ITEM 247 ADDING TEST METHOD AND MINIMUM
COMPRESSIVE STRENGTH REQUIREMENTS.

PLAN SHEET 3: ADDED NOTE TO TYPICAL SECTION MAKING REMOVAL SERVICE AND
EXISTING BASE SUBSIDIARY TO ITEM 247.

PLAN SHEET 4B: NOTE TO ITEM 247 ADDING TEST METHOD AND MINIMUM
COMPRESSIVE STRENGTH REQUIREMENTS.

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GENERAL NOTES:

Find for your information and convenience tools such as forms, software, materials, and various other Contractor information provided by the Department at <http://www.dot.state.tx.us/business/>. Please note that these tools are updated periodically and your attention is directed to the latest edition.

Saw cut the existing pavement to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new pavement. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Sweep, clean and remove any construction waste, surplus materials or debris from the roadway and right of way at the end of each day unless otherwise approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Promptly pick up and properly dispose of paper and other materials used for joints.

In the event of a called evacuation, emergencies, impending adverse weather or as directed, do not perform any work without written authorization. The District reserves the right to suspend all work in support of evacuations or emergencies occurring from other parts of the state. Any work performed, other than work directed by the Department, is unauthorized work in accordance with Item 5.

All pavement markings shall be in accordance with the latest edition of Texas MUTCD.

The asphalt season for the placement of asphalt surface courses is March 15 to November 15 unless otherwise approved.

Stencil the National Bridge Inventory (NBI) number on each bridge and bridge class culvert. Use 3" letters or numbers. Use stain and color as approved. Paint will not be permitted. Locate the NBI number on the outside beam immediately adjacent to the abutment on the downstream end, on the outside headwall upper right-hand corner, or as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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ITEM 2

It is recommended that prospective bidders examine the specified work locations with the Engineer to view the nature of the work, the need for close coordination with the various utilities, the traffic control considerations, and other factors influencing the prosecution of the work.

ITEM 5

The responsibility for the construction surveying on this contract will be in accordance with Item 5.6.C, "Method C".

Field verify all dimensions and notify Engineer prior to initiating any work.

Notify the Engineer immediately of utility conflicts in accordance with Item 5.5.B. Refer to Item 4.3 for consideration of differing site conditions.

Establish and mark the location of existing standard pavement markings including but not limited to edge lines, transitions, passing and no passing zones, gore areas, etc.

Verify the locations of utilities, underground or overhead, shown within the limits of the right-of-way. Contact the utility companies for locations. Adhere to OSHA Standards when working within the vicinity of overhead power lines. Coordinate with the utility companies and notify the Engineer of any possible conflicts. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 7

The work performed for Item 7.7, "Public Safety and Convenience" will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The total disturbed area for this project is 5.3 acres. The disturbed area in this project, all project locations in the Contract, and Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain any required

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authorization from the TCEQ for any Contractor PSLs for construction support activities on or off ROW. When the total area disturbed for all projects in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer.

Comply with the Texas Aggregate Quarry and Pit Safety Act for waste areas or material source areas resulting from this project.

When working at street, farm-to-market, state highway, and county road intersections, schedule work to minimize intersection closures. During nonworking hours, all public road intersections will be open to the traveling public.

ITEM 8

A proposed critical path method of work utilizing the Arrow Diagram or Bar Chart Method, updated monthly is required. Submit (2) two 11" x 17" hard copies and an electronic file of the original or updated progress schedule. Submit the original progress schedule seven (7) days before the Preconstruction Conference.

Submit an updated progress schedule as directed to show proposed major changes, changes affecting compliance with the contract requirements, or changes affecting the critical path/controlling item of work.

Working days will be computed and charge in accordance with Article 8.3.A.4, "Standard Workweek".

ITEM 9

Submit the approved forms to request compensation for material-on-hand (MOH) at least three (3) working days prior to the end of the month. Include any requests from subcontractors, suppliers, or fabricators.

ITEM 134

Use backfill material with a plasticity index (PI) ranging from 15 to 35. Notify the Engineer of the proposed material sources and of changes to material sources. The Engineer may

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sample and test project materials at any time before compaction throughout the duration of the project to assure specification compliance.

Manipulate and compact backfill material in accordance with Item 132.3.D.1, "Ordinary Compaction". The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Windrow the existing topsoil and grass along the edge of the grading operations or as directed. After grading operations are completed, spread the topsoil and grass uniformly on all slopes and ditch lines. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 164

Do not cover seeds with more than 0.25 inch of topsoil. Do not use light disking as a method to cover seeds with topsoil. Roll seeds with a corrugated roller.

Restore and seed areas not shown in the plans disturbed by the Contractor's operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer of the unavailability of any seed mix. Make changes to the seed mix as approved.

ITEM 166

Fertilize all areas of the project to be seeded or sodded.

Furnish and apply the complete fertilizer with an analysis of 16-8-8 at a rate of 60 LB of nitrogen per acre.

ITEM 168

Water all areas of the project to be seeded or sodded at a rate of 0.25 inch per week for three months or 26 mega-gallons per acre per month for three months or as directed.

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Distribute water to only those areas shown in the plans or as directed. Excessive overspray will not be permitted.

Water all areas of the project to be seeded or sodded every two (2) days for 90 days or as directed. Apply water in a manner to ensure adequate moisture but not to erode the soil in-place. During periods of adequate moisture, mechanical watering may not be required as approved. Upon final stabilization, the Engineer may require to continue watering as specified for a period not to exceed 30 days.

The Basis of Estimate below establishes the approximate quantity of water required to complete the 90-day watering cycle:

Rate	Water (Gal/Acre/Month)	Area (Acre)	Total (Gallons/Acre/3 Months)
0.25 inch/week	26,000	1	78,000

ITEM 247

When requested, stake with blue tops, at 100-foot intervals, the lines and grade shown in the plans.

Conform to the following flexible base requirements:

Table 1: Material Requirements

ITEM	DESCRIPTION	PERCENT RETAINED					WET BALL	SOIL CONSTRAINTS		
		2"	1 3/4"	1/2"	#4	#40	MILL MAX	LL MAX	PI MIN	PI MAX
247	FL BS (CMP IN PLC) (TY D GR 4)(FNAL POS)	0	-	20-60	40-75	60-85	*45	-	-	10

* The maximum increase in material passing the no. 40 sieve is not to exceed 20.

For Table 1, “Material Requirements” there is no minimum plasticity index (PI) required for Ty D, Gr 4.

If the flexible base comes from a stockpile, test the stockpile before delivery to the project. Build the stockpile in lifts not to exceed 2 feet and in a manner as to obtain a minimum

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working face of not less than 10 feet and a maximum working face of not more than 20 feet. Final acceptance of flexible base material will be from tests made from windrow sample and/or the stockpile.

The Engineer may accept material during stockpile operations, from completed stockpiles, or windrows. The Engineer will select any of these locations or any combination thereof with the provision that at least one out of ten consecutive samples will be taken at the project site.

If the Contractor elects to use crushed concrete it shall be stabilized with 3% cement by weight. This cement will not be paid for directly but shall be considered subsidiary.

For this project Test Method Tex-117 shall conform to the following minimum compressive strength requirements:

Lateral Pressure	Triaxial Strength
15 psi	175 psi

ITEM 275

Cure or cure and prime flexible base by applying an asphalt material. Reference the General Note for Item 310, "Prime Coat" for rates of application.

Cement and/or asphalt stabilized base may be encountered in the existing pavement structure. Pulverize or scarify the existing material after shaping so that 100% passes a 2-1/2 inch sieve.

Use a mechanical mixer to mix the cement with the existing base material.

The three (3) day curing period is waived for roadways required to be opened to traffic the same day.

ITEM 302

Provide aggregates with a minimum surface aggregate classification (SAC) of "B". The SAC for sources on the Department's Aggregate Quality Monitoring Program (AQMP) is listed in the Department's Bituminous Rated Source Quality Catalogue (BRSQC). SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

When using asphalt emulsion, use precoat material for the aggregates as approved.

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ITEM 310

Use MC-30 or SS-1 at a rate of 0.20 gallons per square yard or as directed.

ITEM 316

Material rates shown are for estimating purposes only. Adjust actual rates based on the material used, the existing condition and type of roadway surface, and as approved. When using asphalt emulsion, a minimum 24-hour curing period is required before placing any subsequent asphalt courses.

Broom and clean sealed sections of roadway and all adjacent paved surfaces of any surplus aggregate before opening to traffic or as directed by the Engineer.

Do not place surface treatment on exposed concrete structures unless directed.

Furnish a distributor equipped with a hand hose in working condition.

Remove vegetation and blade pavement edges prior to surfacing operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Stockpiling of aggregates may begin after the execution of the Authorization to Begin Work or issuance of the work order.

Clean aggregates showing signs of excessive dust from the stockpile or while handling during construction. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 421

The Engineer will provide strength-testing equipment for acceptance testing.

Furnish curing facilities adequately sized for this project as approved.

Furnish test molds for cylindrical concrete specimens measuring three (3") inches in diameter by six (6") inches in length.

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ITEM 432

Saw cut the edge of pavement to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Reinforce concrete riprap with 4 x 4 – W2.9 x W2.9 welded wire fabric or with No. 3 reinforcing bars spaced at a maximum of 12 inch in each direction.

ITEM 500

"Materials on Hand" payments are not considered when determining partial payments.

ITEM 502

Furnish additional barricades, signs, and traffic handling as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Traffic control for daytime lane closures shall be in accordance with TCP (1-1)-98 & TCP (1-2)-98.

When advanced warning flashing arrow panels are specified, furnish one (1) standby unit in good condition at the job site for immediate use.

The Contractor's Responsible Person (CRP) or his representative(s) shall be located within one hour of traveling time to the project site. The Contractor shall notify the Engineer in writing of the name, physical address, and telephone number of this employee or these employees. The Engineer shall furnish this information to local law enforcement officials.

Provide a positive means of communication between flaggers unless otherwise approved.

Attach stop/slow paddle to a staff with a minimum length of 6 feet to the bottom of the sign.

Maintain traffic control devices by taking corrective action as soon as possible. Complete corrective action within 48 hours of written notification regardless of the day of the week involved unless otherwise directed.

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The use of a pilot vehicle in conjunction with flaggers will be permitted. If used, provide positive and unrestricted communication between the driver of the pilot vehicle and the flaggers. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 504

A project Field office and/or Field Laboratory will not be required for this project.

ITEM 506

The Contractor shall designate a Contractor Responsible Person (CRP) for implementing, maintaining, and reviewing environmental requirements before and during the project.

ITEM 530

Replace existing driveways not shown on the plans when directed. The work performed will be measured or paid for by Item 530, "Driveways".

If conditions warrant, driveway locations, widths, or lengths may be adjusted as directed.

ITEM 540

Mixing of wood post types and shapes will not be permitted at the same location.

Complete each location during the working day. No exposed bridge rail or guard fence ends will be permitted at the end of the working day or unattended during the working day.

ITEM 542

All surplus material shall remain property of the state.

Disassemble, deliver and neatly stack salvageable materials at Refugio Maintenance Office at the following address:

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Refugio Maintenance Office
802 N. Victoria Hwy.
Refugio, TX 78377

ITEM 544

Drill an 18-inch pilot hole for post embedment.

The method of placing steel tubes in drilled holes is not permitted.

ITEM 644

Coordinate with the Engineer for sign placement. Sign placement shall be in accordance with the latest version of the Sign Crew Field Book.

Use crash worthy supports as shown on the BC sheets, the CWZTCD, or as directed for signs relocated using temporary supports. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Disassemble, deliver and neatly stack salvageable materials at Refugio Maintenance Office at the address below. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Refugio Maintenance Office
802 N. Victoria Hwy.
Refugio, TX 78377

ITEM 662

Apply an asphalt adhesive to short-term pavement markers to ensure they adhere to the roadway surface when directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Use temporary flexible-reflective roadway marker tabs at the beginning and end of no passing zones as shown on the TCP (7-1)-98 for seal coats and WZ(STPM)-03 for hot mix overlays.

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ITEM 672

All raised pavement markers are required to meet Department Materials Specification DMS-4200, pavement markers (reflectorized). The Department's General Services Division maintains a list of pre-qualified suppliers.

Bituminous adhesive will be used to bond to all pavement markers. The bituminous adhesive will be placed at a temperature range of 380 to 390 degrees Fahrenheit. The pavement markers will be placed on the bituminous adhesive approximately twenty (20) seconds after the adhesive is placed on the pavement. The pavement marker will rest solely on the adhesive and not the pavement surface. There will be a layer of bituminous adhesive at least 1/8 inches thick between the pavement marker and the pavement surface.

Spacing for pavement markers will be in accordance with PM (1)-03 and PM (2)-10.

ITEM 5049

Biodegradable erosion control logs will be checked and cleared of debris or sediment (as well as maintenance) by the Contractor at least once a week. Biodegradable erosion control logs will also be checked and cleared of any debris or sediment after a ½" rain event or more. These tasks will be considered subsidiary to Item 5049 "Biodegradable Erosion Control Logs".

ITEM 5261

During installation of the geogrid mats, the Contractor will not allow the traveling public to travel directly over the geogrid. A minimum flexible base thickness of 6 inches will be placed over geogrid prior to opening the mat to construction traffic.

The Contractor will provide adequate storage for the geogrid and will plan the installation of the geogrid so as to limit exposure to ultraviolet degradation. The manufacturer's recommendations will control, unless otherwise directed by the Engineer.

Type I geogrid will be used.

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When using a multi-layer type of geogrid, longitudinally cut portions of a roll must be held together by at least two rows of longitudinal stitching to insure proper layer alignment during installation and maintain integrity of the cut portion

ITEM 6834

A minimum of 2 PCMS will be required. However, additional units may be necessary depending on the work in progress.

The Engineer will provide the sign message text to use at each sign.

The Contractor's Responsible Person (CRP) will maintain full control of messages at all times.

Standby time will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Furnish the portable changeable message signs displaying the correct message at least seven (7) days prior to beginning work or as directed.

Provide cellular phone connection.

ITEM 8251 & ITEM 666

Establish and mark the location of existing standard pavement markings including but not limited to edge lines, transitions, passing and no passing zones, gore areas, etc.

Place pavement markings no later than 14 calendar days after the placement of the surface. When inclement weather prohibits placement of the markings, the 14-day period may be extended until weather permits proper application.

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-----**SPECIFICATION DATA**-----

UNIT WEIGHT ESTIMATES

ITEM 247 - FL BS (CMP IN PLC) (TY D GR 4)(FNAL POS) -----116 LBS/CF

COMPACTION REQUIREMENTS FOR BASE COURSE

ITEM 275—CEM TRT (EXT MTL)(DC)(8’')

DENSITY -----95% MIN

LIFTS -----ALL

PRIME COAT

ASPHALT, TYPE ----- MC-30 or SS-1

AVERAGE ASPHALT RATE (GAL/SY) -----0.20

ITEM 166

FERTILIZER @ 375 LBS PER ACRE -----3.8 TONS

ITEM 168

VEGETATIVE WATERING @ 26,000 GAL/ACRE/MONTH ----- 254 MG

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SURFACE TREATMENT DATA

1ST COURSE

ASPHALT, TYPE ----- AC-5, AC-10, CRS-2, HFRS-2
 ASPHALT RATE (GAL/SY)----- 0.35-0.43
 AVERAGE ASPHALT RATE (GAL/SY) -----0.39
 AGGREGATE RATE (CY/SY)-----1/85
 AGGREGATE TYPE ----- PB
 AGGREGATE GRADE----- 3 SAC B or 3S SAC B
 ROLLING (FLAT WHL) (HR/SY)----- 1:100
 ROLLING (LT PNEU) (HR/SY)----- 1:2500

2ND COURSE

ASPHALT, TYPE ----- AC-15P, CRS-2P, OR HFRS-2P
 ASPHALT RATE (GAL/SY)----- 0.28-0.36
 AVERAGE ASPHALT RATE (GAL/SY) -----0.32
 AGGREGATE RATE (CY/SY)-----1/110
 AGGREGATE TYPE ----- PB
 AGGREGATE GRADE----- 4 SAC B OR 4S SAC B
 ROLLING (FLAT WHL) (HR/SY)----- 1:100
 ROLLING (LT PNEU) (HR/SY)----- 1:2500

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BASIS OF ESTIMATE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>BASIS</u>	<u>RATE OF APPLICATION</u>	<u>QUANTITY</u>
ITEM 247	FLEX BASE (TY D) (GR 4)	191,979 SY	--	21,331 CY
ITEM 275	CEM TRT(MX EXT MTL/NW BASE)(8")	178,415 SY	--	178,415 SY
ITEM 310	*PRIME COAT (MC-30)	178,895 SY	0.20 (GAL/SY)	35,779 GALS
ITEM 316	ASPH (AC-5, AC-10, CRS-2, HFRS-2)	179,256 SY	0.39 (GAL/SY)	69,910 GALS
ITEM 316	ASPH (AC-15P, CRS-2P, OR HRS-2P)	179,253 SY	0.32 (GAL/SY)	57,361 GALS
ITEM 316	AGGR (TY-PB GR-3 OR 3S SAC-B)	179,095 SY	1/85 (CY/SY)	2,107 CY
ITEM 316	AGGR (TY-PB GR-4 OR 4S SAC-B)	179,190 SY	1/110 (CY/SY)	1,629 CY
ITEM 5621	GEOGRID BASE RENIFORCEMENT (TY I)		--	5,254 SY
ITEM 6834	PORT. CHANGE. MESS. SIGNS		--	146 DAYS

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